SRB

AIA® Document G802™ – 2007

Amendment to the Professional Services Agreement

Amendment Number: 6
November 27. 2012

TO: Norma Pacheco, Director of Business Services
(Owner or Owner's Representative)

In accordance with the Agreement dated: April 7, 2011

BETWEEN the Owner:
(Name and address)
Union Elementary School District
3834 South 91st Avenue
Tolleson, AZ 85353

and the Architect:
(Name and address)
NTD Architecture
2800 N 44th Street, #500
Phoenix AZ 85008

for the Project:
(Name and address)
Union Elementary School District
Miscellaneous Renovations/Roof Repair
3834 South 91st Avenue
Tolleson, AZ 85353

NTD Project Number: 2012-0357-00

Authorization is requested
☒ to proceed with Additional Services.
☐ to incur additional Reimbursable Expenses.

As Follows:

Scope of Work:

Design and construction administration services for the following items:

Re-roofing of the foam roofed mechanical equipment area at Building A between the classrooms and multi-purpose building, and miscellaneous repairs to other foam roofed mechanical areas as needed to address roof bubbles and drainage deficiency areas, per the attached drawing.

The following adjustments shall be made to compensation and time.
(Insert provisions in accordance with the Agreement, or as otherwise agreed by the parties.)

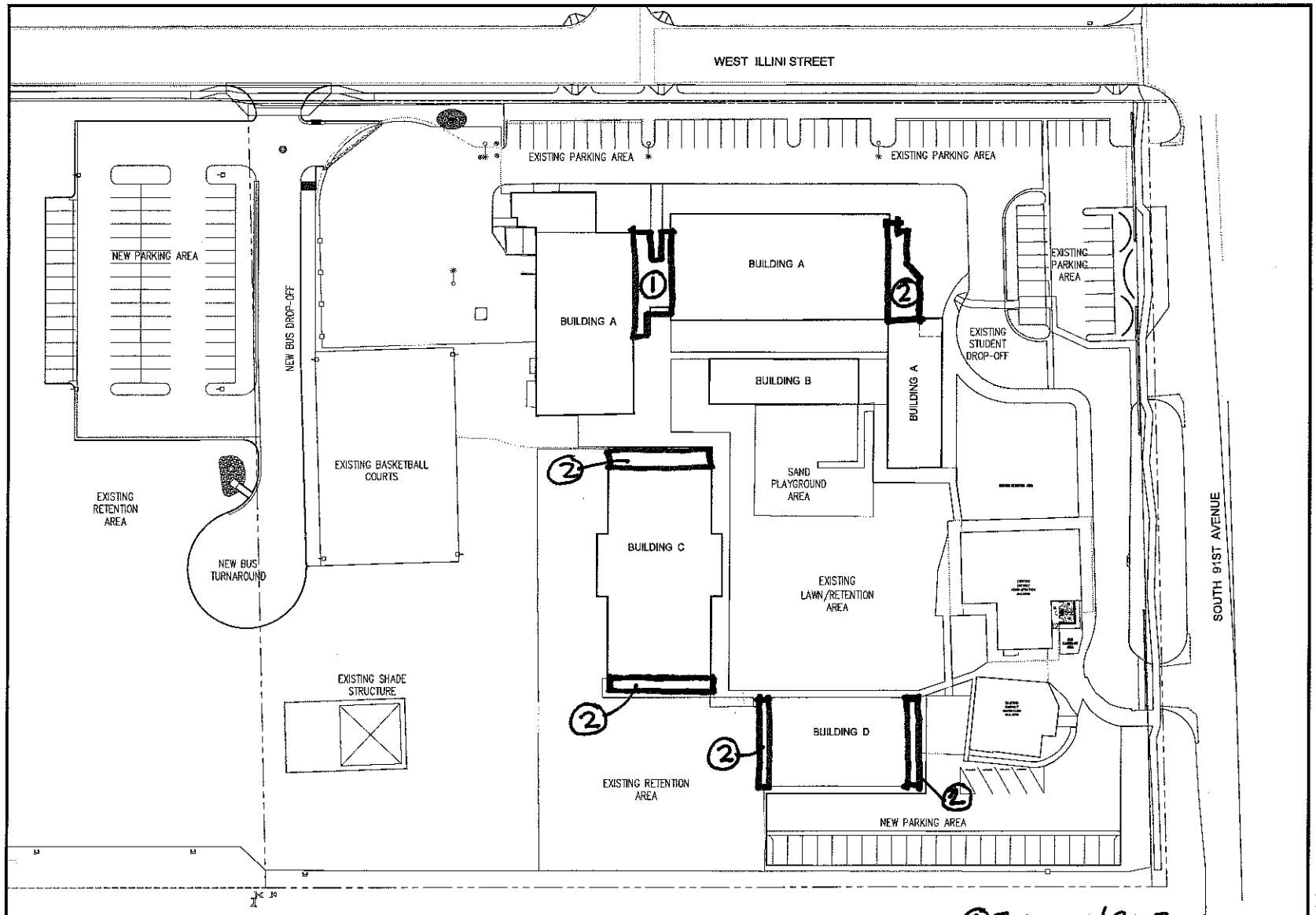
Compensation:

Compensation will be on a Fixed Scope/Fee basis.
NTD: Design and Construction Administration Services as follows:

As-built review/investigation/drawings	$1,200.00
Plans and Specifications	$3,000.00
Bidding	$ 600.00
Construction Administration	$2,220.00
Sub-Total	$7,020.00
Structural Review	$1,000.00
TOTAL	$8,020.00

Time:
Dates for beginning and completion of work to be determined.

SUBMITTED BY:	**AGREED TO:**
Scott Beck *(Signature)*	*(Signature)*
Scott Beck, AIA, REFP *(Printed name and title)*	Norma Pacheco, Executive Director of Business Services *(Printed name and title)*
11/27/12 *(Date)*	*(Date)*



PARTIAL SITE PLAN - RESTROOM BUILDING ADDITION

SCALE: 1/8" = 1'-0"

NTD ARCHITECTURE
2800 North 44th, street Suite 500
Phoenix, AZ 85008
602-955-8544
San Diego • Los Angeles • Auburn • Visalia • Phoenix • Tucson

OWNER:	UNION ELEMENTARY SCHOOL DISTRICT 3834 SOUTH 91ST AVENUE TOLLESON, AZ 85353 TEL: (623) 478-5000
ARCHITECT:	NTD ARCHITECTURE 2800 NORTH 44TH STREET SUITE 500 PHOENIX, ARIZONA 85008 TEL: (602) 955-8544
CIVIL ENGINEERING:	HUBBARD ENGINEERING 1640 SOUTH STAPLEY DRIVE SUITE 127 MESA, AZ 85204 TEL: (480) 832-3313
STRUCTURAL ENGINEERING:	KING ENGINEERING, INC P.O. BOX 681 CHANDLER, AZ 85244 TEL: (480) 471-5827
MECHANICAL, PLUMBING & ELECTRICAL ENGINEERING:	PROFESSIONAL CONSULTING ENGINEERS, INC 902 NORTH 23RD AVENUE SUITE 9B PHOENIX, ARIZONA 85021 TEL: (602) 814-0414
JOC CONTRACTOR:	CHASSE BUILDING TEAM 1733 EAST MCKELLIPS ROAD SUITE 112 TEMPE, AZ 85281

SUBMITTAL:

CONSTRUCTION DOCUMENTS

SEAL

PRELIMINARY - NOT FOR CONSTRUCTION

PROJECT TITLE:

Achievement Today for an Exceptional Tomorrow

UNION ELEMENTARY SCHOOL DISTRICT
DISTRICT ADMINISTRATION BUILDING
RESTROOM ADDITION
3834 SOUTH 91ST AVENUE
TOLLESON, AZ 85353

DRAWING TITLE:

OVERALL SITE PLAN WITH RESTROOM BUILDING ADDITION

NO.	DATE	ISSUE	DRAWN BY	PROJECT NO. 2012-0186-00
			CHECKED BY	DATE NOVEMBER 5, 2012
			DRAWING NO.	A1.0.0

ARCHITECTS
PLANNERS & INTERIORS

Louise A. Rehse, CSI
Patrick C. Rehse, FAIA
James Trahan, AIA
Jack Riehm, Assoc. AIA
J. Steven Critcher, AIA

PROJECT MANUAL

UNION ELEMENTARY SCHOOL

3834 SOUTH 91ST AVENUE
PHOENIX, ARIZONA

UNION ELEMENTARY SCHOOLDISTRICT NO. 62

JUNE 2000

REGISTERED ARCHITECT
CERTIFICATE No.
10615
PATRICK C.
REHSE
Date Signed 07/00
ARIZONA, U.S.A.

Set #1

ARCHITECTURAL RESOURCE TEAM, INC.
411 North Central Ave. Suite 600
Phoenix Arizona 85004 - 2139
602.307.5399 t 602.307.5409 f
www.art-team.com

SECTION 07570

COATED FOAMED ROOFING

PART 1 GENERAL

1.01 SUBMITTALS

A. Product Data: Submit manufacturer's literature and technical data (specifications, installation instructions and evidence of UL, ICBO and FM ratings) on foam, protective coating, primer and complete system, including manufacturer's Letter of Certification that their products meet and comply with the materials and intent of the Specification, and manufacturer's application or installation instructions.

B. Certificates:
1. Submit notarized Contractor/Applicator certification from polyurethane foam supplier and/or protective coatings manufacturers as evidence of Contractor/applicator qualification and experience.
2. Provide manufacturer's representative certification that products approved are products installed on the Project.

C. Provide specimen copy of the applicable warranty for this project, as specified herein.

D. Submit evidence that system constituents are VOC compliant and environmentally safe.

E. Submit evidence that polyurethane foam insulating system is 95 percent freon free, HCFC type product. Foam must be approved in accordance with UL 723 testing.

F. Shop Drawings: Submit shop drawings indicating drainage pattern, slopes, and depth of foam at drain, cants, crickets and other critical locations.

1.03 QUALITY ASSURANCE

A. Qualifications:
1. Foam and Coating Manufacturer Qualifications: 5 years of successful installations on which its products have been used in conjunction with sprayed polyurethane foam roofs.
2. Foam/Coating Contractor Qualifications:
   a. Prior experience in handling and spraying polyurethane foam of the type specified and possessing a thorough knowledge in the use of the required spray equipment.
   b. Approved by the protective coating manufactured for single component systems and shall qualify for manufacturer's 10 year no leak system warranty.
3. Applicator Qualifications:
   a. Trained by the polyurethane foam manufacturer with minimum of 5 years experience in spray application of polyurethane foam roofing with at least 500,000 square feet of applied roof coating.
   b. Individual mechanics shall be workers experienced and regularly engaged in the spray application of polyurethane foam in roofing systems.

B. Regulatory Requirements:
1. Roofing system shall be UL 790 Class A over noncombustible deck or Class B over combustible deck and shall conform to ASTM Test Standards, ICBO, FM and UBC requirements.
2. Insulation and foam shall have Class A flame spread in accordance with ASTM E108.
3. Constituent material containers shall be UL labeled in accordance with the system UL follow-up service agreement.

C. Pre-Installation Conference:

1. Approximately two weeks prior to scheduled commencement of roofing installation and associated work, a meeting shall be held at the project site with installers of deck or substrate construction to receive roofing work, installer of rooftop HVAC units and other work in and around roofing which must precede or follow roofing work (including mechanical and sheet metal work as applicable), General Contractor, Architect, Owner, roofing system manufacturer's representative, and other representatives directly concerned with the performance of the work. Contractor shall prepare minutes of the meeting and furnish copy of record to each party attending. Review foreseeable methods and procedures related to roofing work, including but not necessarily limited to the following:
   a. Tour representative areas of roofing substrates (decks), inspect and discuss condition of substrate, roof drains, curbs, penetrations and other preparatory work performed by other trades.
   b. Review structural loading limitations of existing roof deck construction, and inspect deck for loss of flatness and for required mechanical fastening.
   c. Review roofing system requirements (drawings, specifications and other Contract Documents).
   d. Review and finalize construction schedule related to roofing work and verify availability of materials, installer's personnel, equipment and facilities needed to make progress and avoid delays.
   e. Review required inspection, testing, certifying and material usage accounting procedures.
   f. Review weather and forecasted weather conditions, and procedures for coping with unfavorable conditions, including possibility of temporary roofing (if not a mandatory requirement).
2. Notify Architect at least 48 hours prior to starting Work.
3. Contractor shall review materials, details, etc. and submit a report including revised details to Architect. Incorporate revised details approved by Architect in the Project at no additional cost to Owner.

1.04 DELIVERY, STORAGE AND HANDLING

A. Packing and Shipping: Deliver materials to site in manufacturer's original unopened packaging with labels intact. Protect finished surfaces with removable wrapping or coating which will not bond when exposed to sunlight.

B. Storage: Adequately protect against damage while stored at the site.

C. Handling: Comply with manufacturer's instructions.

1.05 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Air temperature and substrate temperature shall be within the polyurethane foam manufacturers limits for the type of formulation used. Polyurethane foam shall not be sprayed during inclement weather and when the following conditions exist:
   1. If surface temperature is above 140 degrees F or below 40 degrees F, or when the dew point is less than 5 degrees F above the surface temperature.
   2. If surface moisture is present.
   3. If wind velocity is above 12 miles per hour, wind screens are required; for wind velocity at or above 25 miles per hour, work shall be suspended.

1.06 WARRANTY

A. Provide manufacturer's 10 year full system warranty. Written warranty shall include materials and labor required to repair water leaks in the protective coatings system caused by deterioration resulting from ordinary weather conditions.

PART 2 PRODUCTS

2.01 MATERIALS

A. Primer/Sealer: Per manufacturer's specific recommendations. Primer shall be formulated to be airless sprayed and designed expressly to enhance adhesion of urethane foams to the substrates applicable to this project.

B. Polyurethane Foam Insulation: Gaco Western PolyFoam 303 Series, SWD Urethane 525b, Polythane S200 25/30 SH200 25/30 and Foam Enterprise FE 302-303, Acceptable to manufacturer of protective coating and as follows
1. 2 component HCFC 141 formula designed for spray nozzle mixing and application resulting in a high quality, monolithic rigid polyurethane, meeting the following physical and performance properties:
   a. Nominal Density (ASTM D 1622): 2.8 to 3.2 lbs./cu. ft. minimum.
   b. Compressive Strength - Parallel (ASTM D 1621): 50 to 60 psi minimum.
   c. Tensile Strength - Parallel (ASTM D 1623): 75 psi minimum.
   d. Shear Strength (ASTM D 273): 46 psi minimum
   e. K Factor (ASTM C177): 0.13 BTU/in/hr ft F
   g. Closed Cell Content (ASTM D2856): 9o% by volume.
   h. Flammability (ASTM E 84/UL 723): 25 flame spread maximum.
2. Polyurethane foam shall be appropriate grade for the time of year that the installation takes place.

C. Protective Coating: Gaco Western A-55Q/A-62 series or SWD-1929F Acrylic Elastomeric Coating Acceptable to manufacturer of polyurethane foam insulation and as follows.
1. 100% acrylic elastomer coating which combines high solid emulsion polymers and non-migrating fire retardants for superior durability, weather-proofing, ultraviolet resistance, and fire resistance. The combined cured basecoat/topcoat protective coating shall have the following properties:
   a. Tensile Strength (ASTM D 412): 225 psi minimum @ 75 degrees F.
   b. Elongation (ASTM D 412): 200% minimum @ 75 degrees F.
   c. Permeability (ASTM E-96): 0.06 Perm Inches
   d. Hardness (ASTM D 2240): 65 to 75 Shore A
   e. Temperature Limits for Normal Service Conditions: -0 degrees F to 200 degrees F.
2. The fire retardant chemicals shall be permanently locked into the cured coating.
3. Substitute fluid-applied waterproofing materials such as cementitious coating, asphalt, moisture-cured urethanes, hypalons, acrylics and butyls are not considered acceptable substitute materials.
4. Color: 40% reflective value, gray or as approved by Architect.

D. Granules: Washed, screened and sized #6 limestone granules or #11 white ceramic granules specifically for use in the specified system.

E. Sealant: Sealant for use around roof penetrations shall be Type "D" as specified in Section 07900.

F. Sheet Metal Flashings: In accordance with Section 07600.

2.02 EQUIPMENT

A. Polyurethane foam shall be applied using proportioning equipment which provides thermostatically controlled material temperatures as recommended by the foam manufacturer.
1. Hoses between the proportioner and spray gun shall be temperature controlled.
2. Contractor shall not change the formulation ratio of the spray equipment.
3. Contractor shall not be allowed to use a refrigerant injection system.
4. When cleaning or servicing spray gun, exercise extreme care so as not to contaminate roof surface with solvents.

B. Other Equipment: Contractor shall have at all times in close proximity to the spraying operation sufficient buckets to counteract equipment problems without depositing defective material on the deck or on the site.

PART 3 EXECUTION

3.01 EXAMINATION

A. Verification of Conditions: Examine subsurfaces to receive Work and report detrimental conditions in writing to Architect.
   1. Prior to the application of roofing materials, the Contractor shall examine the roof deck, flashings, and other surfaces that are to receive roofing materials to ensure that surfaces are true, even, dry, clean and in proper condition to receive the roofing system.
   2. All penetrations through roofing including drains, scuppers, miscellaneous pipe and vent penetrations, and electrical conduits shall be completed prior to the starting of work.
   3. The Contractor shall report in writing to the Owner anything or condition not to the Contractor's satisfaction prior to proceeding with the work of this section.
   4. Application of roofing material shall constitute the roofing Contractor's acceptance of surfaces and flashings to receive the materials.

B. Commencement of Work will be construed as acceptance of subsurfaces.

C. Coordination: Coordinate with other work which affects, connects with, or will be concealed by this Work.

3.02 PREPARATION

A. General Area;
   1. Notify the Architect and visitors to the site of potential fugitive overspray.
   2. Cars, etc., will be moved or covered to prevent inadvertent spraying. Contractor shall coordinate subcontractor traffic during roof operations.
   3. Provide barricades as required and place them in a way to be in an adequate and sufficient number so that there is no doubt that the area is completely barricaded off.
   4. Use appropriate barricading methods to shelter walking traffic from the work area's equipment and overspray.
   5. Any damage caused during this construction process shall be restored to pre-project condition or replaced at the Contractor's expense in accordance with Section 01110.
   6. Provide protective covering as needed to protect building walls, adjacent structures and vegetation, etc., from the effects of the spraying process.
   7. When work is finished, no evidence of re-roofing work shall be visible from the ground level, other than the work on the roofing plane.

B. Roof Deck Surface Preparation :
   1. General:
      a. Free from dust, loose and foreign materials. Provide a clean and smooth surface ready for installation.
      b. Surface shall be dry before commencement of roofing application.
      c. Deck shall be kept clean and free of loose and foreign material other than tools and equipment of the roofer.
      d. Metal surfaces shall be free of moisture, rust, dirt and other foreign materials.
      e. Oils or other foreign materials, attached to the roof decking that prevent satisfactory adhesion, shall be cleaned for the deck.
   5. Wood Deck
      a. Deck must meet building code requirements for resistance to wind uplift.
      b. Plywood shall contain no more than 18% water, as measured in accordance with ASTM Standards. Plywood shall be exterior grade not less than 1/2 inch thick. nailed firmly in place.
      c. Surfaces shall be primed with an exterior-grade primer, as recommended by manufacturer.
         1) Application shall be at the rate of approximately 1/2 gallon per 100 square feet.
         2) Primer shall not be applied to wet decking materials.

d. Plywood joints in excess of 1/4 inch shall be taped or filled by others with a suitable sealant material, prior to application of polyurethane foam.
e. Deck shall be free of loose dirt. grease. oil or other contaminants prior to priming or foam application. Remove loose dirt or debris by use of compressed air, vacuum or broom. No washing shall be permitted.
f. Tongue & Groove Sheathing or Planking: Due to the frequency of joints, possibility of variable openings and effects of aging and shrinking, these surfaces must be overlaid with a minimum of 1/4 inch thick exterior grade plywood or other suitable covering with a minimum 1" thickness.

3.03 INSTALLATION - GENERAL

A. Install materials in strict compliance with written instructions of the manufacturer and regulations of local, state and/or federal agencies, which have jurisdiction.

B. Notify the architect in writing of defects in the deck assembly, which will be detrimental to the proper functioning of the new roof system. Do not commence work over defective area until advised in writing by architect of the action to be taken in such areas. The commencement of work on the defective areas of the roof deck shall signify the contractor's acceptance of such decks for the application of the specified roof system.

C. In new construction projects, the spray polyurethane foam is installed when the deck, parapet walls, rough openings and curbs are completed. Plumbing vents, drains and electrical penetrations shall be in place. There shall not be trades-people working on the roof when the spray polyurethane foam and coating are being installed. HVAC units shall not be installed until the foam and coating roof system is in place.

D. Substrate shall have sufficient slope to eliminate excessive ponding water.
1. Excessive ponding is defined as "an area of 100 square feet or more which holds in excess of 1/2 inch of water, as measured 72 hours after a rainfall". Low areas measuring less than this standard are acceptable.
2. If the substrate does not have sufficient slope, it is to be brought to the attention of the Architect.
3. Excessive ponding of water shall be eliminated by building in slope with the application of polyurethane foam, channeling the polyurethane foam, by the proper placement of drains or a combination thereof as approved by Architect.
4. Taper areas to facilitate drainage, as indicated on drawings .

E. Metal: Install metal foam-stop at roof edges. Flashing configuration although shown on the drawing is not provided or installed by foam roof contractor. Nail new flashings at 1'0" o.c. with galvanized large head roofing nails. Nails in areas where the underside of the roof is exposed (such as overhangs), shall be short enough to avoid penetration of the exposed underside.

F. Cants and Crickets
1. The required drainage slope gradients shall be as are required to meet the various drainage sources.
2. Cants shall be formed with the spray polyurethane foam, as it transitions from the deck surface up the parapet wall.
3. Crickets may be constructed as follows:
a. Using 1/2 inch CDX plywood and structural lumber adhered mechanically to the substrate and vertical walls.
b. With the spray polyurethane foam (within certain sloping requirements). If it is required that the crickets are to be constructed out of polyurethane foam, the details shall be indicated on approved shop drawings to indicate the depth of foam required at the high points and the required drainage slope gradients to the various drainage sources.
c. Using tapered insulation board secured to the substrate with an adhesive recommended by the tapered board manufacturer or mechanically fastened. The crickets shall be covered with 2 inches of sprayed polyurethane and the specified coating.

G. Parapets
1. The polyurethane foam shall extend a minimum of 4 inches and/or up to 12 inches up the vertical wall at a thickness of one-inch (1-1/2 inch at the cant).
2. If it is required that the polyurethane extend up to the top of the parapet wall, then the vertical substrate must be fastened in an acceptable manner for wind shear resistance. Foam is to be terminated, via straight line and tapered foam or optional sheet metal flashing that is acceptable to Architect.

3.04 INSTALLATION - FOAM AND COATING

A. Polyurethane Foam:
1. Liquid components of the sprayed-on polyurethane foam shall be maintained, metered and sprayed under conditions prescribed by the manufacturer of the material and the manufacturer of the spray equipment.
2. Spray in a manner to achieve a full and proper spray pattern. Foam shall be applied in minimum 1/2 inch thick passes to achieve the specified thickness.
3. Apply in multiple passes only in as many squares each day as can be completed to the full specified thickness on the same day. Before resuming spraying operation on the next day, inspect the exposed leading edge of the foam for possible surface moisture. Foam edge shall be considered dry when there is no indication of moisture when blotted with an absorptive material.
4. Surface texture and quality: Cured polyurethane foam shall range from a smoother to a heavy "orange peel" finish. Textures described as "popcorn" or "tree bark" or surfaces which exhibit crevices, voids and widespread defects are not acceptable.
5. There shall be no soft or spongy areas or areas with hard or brittle strings or improperly proportioned material.
6. Tapered areas of varying thickness shall be as indicated on Drawings.
7. Minimum foam thickness: 2 inches.

B. Protective Coating:
1. Preparation:
   a. The polyurethane foam surface and adjacent surfaces to be coated shall be completely free of degraded foam, foam overspray, grease, oil, dirt or other contaminants which will interfere with proper coating adhesion.
   b. Surface shall be completely dry and frost-free before coating.
   c. Any physical damage to the polyurethane foam shall be repaired before coating application commences.
   d. Oxidized polyurethane foam shall be repaired or replaced.
   e. Where foam surface has been sanded, planed or trimmed and the skin removed, such areas shall be given an additional application of base coat immediately after exposure and prior to applying normal base coat to entire area.
2. Waterproofing and Protection System:
   a. Fluid Applied Waterproofing: Application of coating system shall result in a seamless membrane.
      1) Spray apply base coat of elastomeric membrane over polyurethane foam insulation at a rate to achieve 12 mil in one application (approximately 1-1/4 gallons per 100 square feet).
      2) Spray apply intermediate application of elastomeric membrane to achieve 12 mil in one application (approximately 1-1/4 gallons per 100 square feet).
      3) Spray apply final application of elastomeric membrane to achieve 12 mil in one application (approximately 1-1/4 gallons per 100 square feet).
      4) Total dry thickness of elastomeric membrane, exclusive of granules, shall be an average of 36 mils.
      5) Spray or roll a fluid applied flashing over foam insulation at parapet walls and other vertical surfaces in 3 applications at a rate of 1-1/4 gallons per 100 square feet per application (2 base coats and 1 top coat); shall be an average of 36 mils.

b. Granules: Broadcast into final fluid membrane coat at a rate of 30 pounds per 100 square feet.
c. No traffic shall be permitted on completed roof surface for a minimum of 3 days.

3. Protective coating shall extend up and over polyurethane foam on vent pipes, parapets and other penetrations and shall be terminated a minimum of 3 inches above the foam creating a self-terminated flashing.
4. During coating application, the film thickness applied each day shall be measured by the applicator and recorded on the Daily Quality Control Report Form.
5. Surfaces shall be free from voids, pinholes, blisters.
6. If, due to unforeseen conditions, the polyurethane foam remains uncoated for more than 72 hours, the uncoated foam must be inspected by the Architect prior to coating.
   a. Should oxidation of the polyurethane foam occur, the foam surface shall be brushed with a stiff broom or mechanically scarfed and sanded.
   b. A minimum 1/2 inch pass of foam shall be applied over the prepared surface to reseal the surface.
7. Coating containers shall remain on the job site until the work is complete and inspected by the Architect.

3.05 FIELD QUALITY CONTROL

A. Inspections by Roofing Manufacturer's Representative:
   1. The manufacturers representative for the materials used on this project shall make inspections as outlined by the manufacturer as required to provide the specified warranty.
   2. In addition to the inspections required for the warranty, the following inspections shall be required:
      a. Preliminary deck inspection.
      b. One unannounced spot inspection.
      c. Final inspection.

B. Core Sampling:
   1. The Owner reserves the right to take core samples to determine if the polyurethane foam meets the minimum density as specified and is properly bonded to the substrate.
   2. Location of core samples shall be as directed by the Owner.
   3. Core samples, if required, shall be cut by the Contractor prior to application of the protective coating and after exothermic heat is gone.
   4. Costs associated with the cutting of core samples, and repairs of cut-out sections shall be bone by the Contractor.
   5. Costs associated with testing the in-place density shall be paid for by the Owner. Tests shall be performed by an independent laboratory in accordance with ASTM D 1622.

3.06 CLEANING

A. During the course of the Work and on completion of the Work, remove and dispose of excess materials, equipment and debris away from premises. Leave Work in clean condition.

END OF SECTION

"SIMPLY THE BEST"
ROOFING SPECIALISTS
www.jimbrownandsonsroofing.com

Jim BROWN SONS ROOFING

Industrial Commercial Residential Maintenance

To: Chasse Building Team
2400 W. Broadway Rd.
Mesa, AZ 85202

Date: December 12, 2012
Project: Union Elementary School
Attn: Zeke Ochoa

Provided by: Scott Brown

PROPOSAL AND ADDENDUM

Jim Brown & Sons Roofing Co., Inc. hereinafter referred to as "Contractor", agrees to furnish labor, materials, equipment, and incidentals necessary to complete the following described work. **The work to be performed is as follows:**

Bid ID Number: None

Bid Source: None

System quoting & wind uplift rating:

Shingle Roofs: Tear off the existing shingles and felt and dispose of properly. Install new 30lb. ASTM felt and secure properly. Pneumatically fasten with coil nails new 3-tab shingles per manufacturers specifications. (Owner to choose color) Seal and paint penetrations to match. (25 Year Material Warranty)
Flat Roofs: Power wash the existing foam roofs clean and free from debris. Reseal all penetrations. Spray and back roll a base coat of elastomeric roof coating at a rate of 1.5 gallons per 100 square feet. Spray a top coat of elastomeric roof coating at a rate of 1.5 gallons per 100 square feet for a total dry film thickness of 24 mils. (5 Year Material Warranty)
District Office: Repair approx. (12) blister in the cementitous foam roof and reseal penetrations. (We will not apply elastomeric coating on this roof due to the good condition of the cementitous coating…..just minor repairs needed)

Manufacturer's warranty: See above

Our warranty: 2 Year Labor

Deck size & type: Plywood

Type of walls: Block

Insulation type, size and R-value used: None

Metal flashings supplied and installed: Pipe flashings (reuse existing drip edge, wall flashings and vents)

Roof top equipment to be roofed around: Mechanical units

Taper system: None

Taper crickets: None

Addendums: None

Price: Shingle Roofs: $84,021.00 **Flat Roofs**: $12,354.00 **(See special notes below for breakdown)**

Alternate systems:

Shingle Roofs: Install 30 year laminated shingles in lieu of 25 year 3-tab shingles – add $4,599.00
Flat Roofs: Spray apply 2 gallons per 100 square feet of elastomeric roof coating in lieu of 3 gallons per 100 square feet – deduct $3,111.00 (No material warranty)

Special Notes:
(Kitchen/Gym-Shingles $4,576.00 Coating $8,742.00) (Admin.-Shingles $22,464.00 Coating $837.00) (A Bldg.-Shingles $8,320.00) (B Bldg.-Shingles $7,904.00) (C Bldg.-Shingles $22,048.00 Coating $1,674.00) (D Bldg.-Shingles $11,440.00 Coating $651.00) (Storage Bldg.-Shingles $7,269.00) (District Office-Cementitous Repairs $450.00)

PROPOSAL ADDENDUM

1. **Exclusions:** Vapor barrier, sales tax, painting, chem-curbs, wood, metal flashings not indicated above, GSM, lead, lead pipe flashings, below grade waterproofing, bonds, building permits, NESHAP reports, directional realignment of satellites, asbestos abatement, and prevailing wages unless otherwise stated.

2. The price quoted in this proposal is valid only for orders placed within the next 30 days.

3. This price is valid only for work during normal daylight business hours, Monday thru Friday. This price is valid only for this schedule period and the information listed on this bid form. If we will be required to work nights or weekends, there will be an additional charge.

4. If it is not listed on this form, then it is not included in this bid.

5. Most roofing systems do not eliminate pooling water but conforms to the existing structure. Refer to Arizona Registrar of Contractors pooling water standards for acceptable amounts. If pooling does occur and you wish to reduce the pooling water it can be done for an extra charge.

6. We will use this proposal and addendum as an attachment to our contract if we are chosen as the roofing contractor.

7. This proposal is only valid if we receive a fair contract or purchase order.

8. If payment is to be made by credit card, a 2% charge will be incurred by the customer.

12/13/2012 **#11-12237**

PROPOSAL FOR

Chasse Building Team
2400 W. Broadway rd
Mesa, AZ 85202

CAPSTONE ROOFING LLC

Lic # ROC 215920
1801 Grand Ave
Phoenix, AZ 85007

office 602-486-0763

Fax # 602-442-6692

E-mail admin@capstoneroofingaz.com

Job Location: Union elementrary School
Mesa, Az 85353

Contact: **Jonathan Cheek**

480-452-7777

Project Scope of Work

New Foam Roof

Item	
0.21 Safety	Perform work in a safe & professional manner to protect the customer and the property.
0.22 Cleanup	Cleanup and haul away all trash related to the roofing project.
	New Foam Roof Bldg A,,C ,D ,Gym & Office (flat areas)
Tear Off	Remove existing roof to decking
Insulation	Install 2 layers of 1.5 Iso Insulation mechanically attached
Polyurethane Foam	Apply Polyurethane Foam @ the rate of 2" thickness.
FoamGuard	Apply FoamGuard @ 3 gal per 100 sqft applied in two passes
Equipment Rental	
Metal Edge Custom	Install Metal Drip Edge (office)
Warranty	Supply customer with warranty Capstone 5yr Workmanship KM Coatings 10yr Materials
	Note :
	To include shingle roofs additional $80,491.00

Subtotal $148,950.00

Sales Tax (0.0%) $0.00

Total Cost $148,950.00

All Bids vallid for 30 days

_____ *agree and aprove of this estimate and the Terms to the Contract stated on Atachement (A) Date*_____

mk's for allowing Capstone the opportunity to present this estimate.

Progress Payments

ROOFING SOUTHWEST
by Sprayfoam Southwest

December 17, 2012

Chasse Building Team
2400 W. Broadway Rd
Mesa, AZ 85202
480-425-7780
Attn: Zeke Ochoa

Re: Union Elementary School – 3834 S. 91st Avenue, Tolleson, AZ 85353

Per your request, we are pleased to provide the following quotation for the above referenced project.

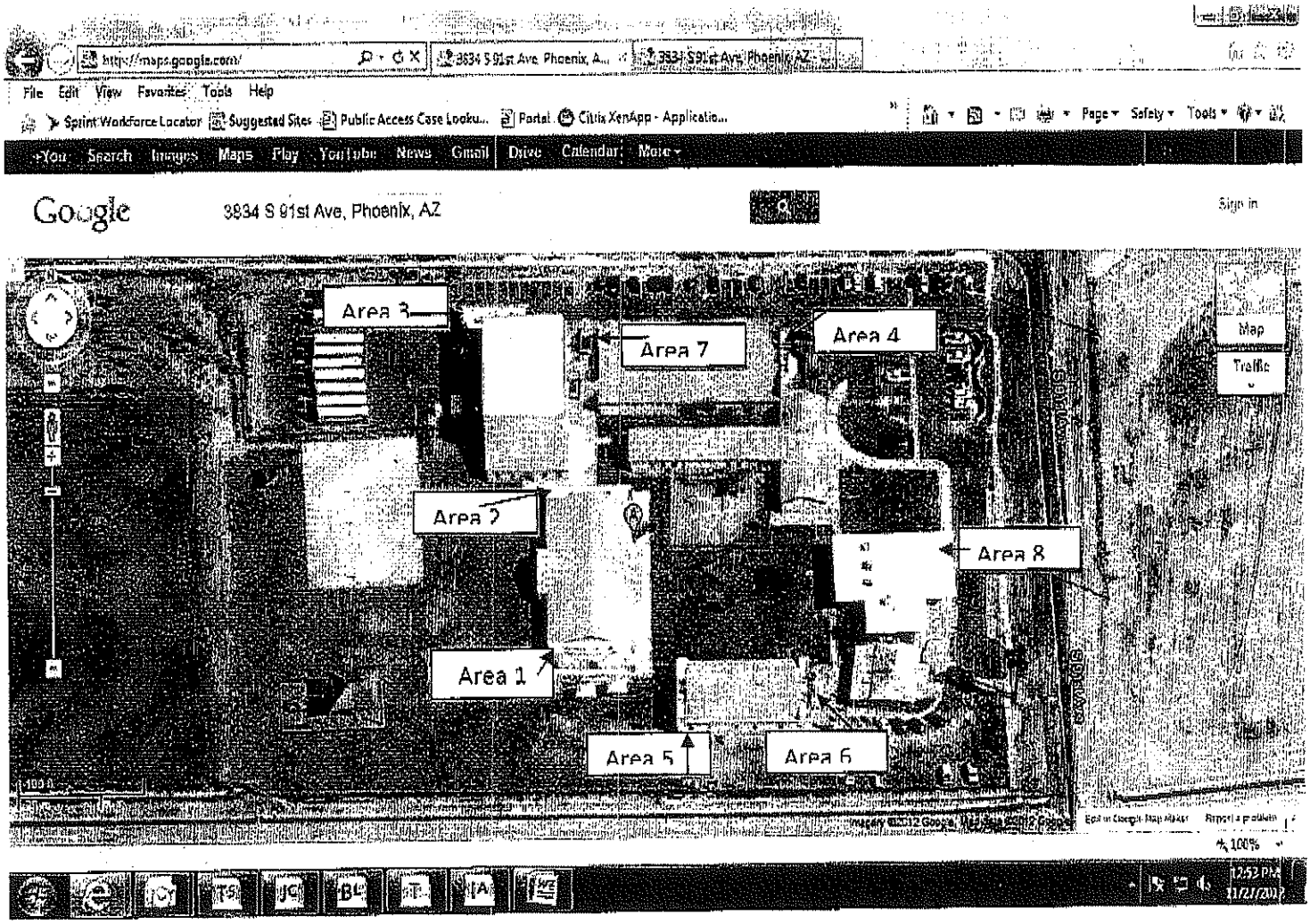
Foam Roof System 10yr. Warranty **$65,705.00**
Tear off and dispose of existing foam roof (8 roof areas per map)
Install new R-30 3" ISO, 1" Foam Roof System

We have excluded tear off of existing roof, lightning protection system removal and certification, taxes, bonds, some insurance requirements, carpentry, drains, scuppers (concrete work), coping and sheet metal.

Please contact me anytime at 480-678-2437 if there are any questions or if you require further information. Roofing Southwest remains at your service.

Sincerely,

Erik Elle
Roofing Southwest
ErikE@roofingsouthwest.com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3834 S 91st Ave, Phoenix, AZ
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Suggested Sites
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Portal
Citrix XenApp - Applicatio...
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Area 7
Area 4
Area 2
Area 8
Area 1
Area 5
Area 6
Map
Traffic
100%

28248 North Tatum Boulevard Suite B-1 PMB 612, Cave Creek, Arizona 85331
Phone: (602) 997-0529 | **Fax:** (602) 395-0369 | **Email:** Starkweather@StarkweatherRoof.com
Website: www.StarkweatherRoof.com

SPECIFICATIONS AND PROPOSAL/CONTRACT

December 17, 2012

TO: **Chasse Building**
1733 E. McKellips Rd.
Ste. 112
Tempe, AZ 85281
Phone: 480-425-7777
Fax: 480-425-7780
E-Mail:zochoa@chasse.us

JOB: Union Hills USD 3834 S 91st Ave, Tolleson Six Buildings

Starkweather Roofing, Inc. ("SRI") agrees to perform all work described herein according to the following specifications and Customer agrees to the Additional Terms and Conditions below including payment terms:

R30 Urethane Foam Roof:

1. **Owner must supply current NESHAP report, or pay SRI to acquire, per Maricopa County Air Quality Department.**
2. Erect and maintain SRI's fall protection system as per O.S.H.A. requirements and erect a controlled access zone for the protection of the public or tenants of the building.
3. Tear off existing roof and insulation down to deck and haul away to appropriate landfill **(excludes asbestos containing material).** Due to the extreme pounding and vibration in the roof removal process SRI recommends for the owner to remove all valuables from wall and ceiling prior to roof work.
4. Sweep clean entire roof surface to allow for proper adhesion.
5. Mechanically fasten 2.5" ISO Board stock to decking.
6. Install foam stop metal where necessary using mechanical fasteners.
7. Mask and/or cover all roof fixtures to prevent damage from overspray.
8. Build up low areas using additional urethane foam sloped to drain to help alleviate ponding water.
9. Apply an average 2.5" of 2.5- 3.0 lb density urethane foam to entire roof surface.
10. Install a base coat of roof coating to entire foamed surface at the rate of 1.5 gallons per 100 square feet.
11. Apply a topcoat of white elastomeric roof coating to entire foamed surface at the rate of 1.5 gallons per 100 square feet.

12. Clean job site of all roofing debris and haul away.

Price to perform above specification is $ 122,673.00

SRI is to provide a two (2)-year workmanship warranty.

Manufacturer is to provide a ten (10)-year material warranty.

Deteriorated plywood will be replaced at a cost of $1.70 per square foot.

Ponding of water on existing roof will not be corrected by installing above roof system. Although we do not anticipate ponding, some ponding may occur. SRI will provide a price to eliminate ponding upon owners' request.

Price is good for ten (10)-days.

Exclusions: No tax, no bond and no sheet metal work. Several roofs have A/C units/ducts/plumbing which are too low for a 4.5" roof. Scope of work does not include lifting, removing or extending and mechanical or plumbing fixtures which will be required. Pricing does not include off hour, weekend or night work. No work can commence while students or staff occupy the building per Arizona law.

Please note: Due to low temperatures and high humidity, work should be planned when temperatures are in the acceptable range for application, typically late spring or during summer break.

Additional Terms and Conditions

Access to job: Customer shall provide proper access to job so as not to impede safety or cause delays in the work to be performed.
Regular hours: The proposed price is based upon the work being performed during regular business hours. Starkweather Roofing, Inc. shall be entitled to additional compensation if required to work overtime or not during regular business hours.
Concealed conditions: Starkweather Roofing, Inc. shall not be liable for any damages caused by the existence of concealed conditions on the job site.
No electrical conduit: The proposed price is based upon the existence of no electrical conduit in the roofing assembly. The existence of electrical conduit will require Customer to obtain a licensed electrical contractor and may result in an additional charge for the roofing work.
Fumes and vapors: Starkweather Roofing, Inc. shall not be liable for fumes and vapors caused by the roofing work to be performed.
Mold: Starkweather Roofing, Inc. is not responsible for indoor air quality including growth of mold. Owner/Customer shall hold harmless and indemnify Starkweather Roofing, Inc. from claims, including claims of tenants and occupants, due to indoor air quality and resulting from a failure by Owner to maintain the interior of the building in a manner to avoid growth of mold.
Property damage: Customer is responsible for the protections of the interior contents of the building upon which roofing work is being performed. Starkweather Roofing, Inc. is not liable for incidental or consequential damages.
No engineering: Starkweather Roofing, Inc. and Customer acknowledge that Starkweather Roofing, Inc. is not agreeing to provide engineering services, consulting services nor architectural services. Starkweather Roofing, Inc. is not responsible for the structural integrity of the building upon which roofing work is to be performed nor

is Starkweather Roofing, Inc. responsible for compliance with building codes nor loss due to defects in the plans and/or specifications if prepared by others.

Additional work: Starkweather Roofing, Inc. shall not be required to perform any additional work to that specified above. Any additional work requested will result in additional charges to Customer. Penetrations not shown on roofing plans shall be considered extras.

Warranties: If manufacturer's warranty is specified above, the manufacturer's warranty will be in their standard form. If workmanship warranty from Starkweather Roofing, Inc. is specified above, it shall be in Starkweather Roofing, Inc.'s standard warranty format that is attached hereto and incorporated by reference, or if not attached, shall be furnished upon request. Warranties are not valid until payment in full has been made.

If Customer has a claim for defective materials, Customer shall have recourse only against the manufacturer for said claim.

Work stoppage for nonpayment: If payment is not made as agreed, Starkweather Roofing, Inc. shall have the right to stop work without recourse by Customer until paid in full.

Mediation/Arbitration: If a dispute arises between Customer and Starkweather Roofing, Inc., the parties agree to resolve this dispute first through mediation, and if unsuccessful, through binding arbitrations to take place in Phoenix, Arizona.

Additional insured: If Customer requires Starkweather Roofing, Inc. to name Customer or others as additional insured on Starkweather Roofing, Inc.'s liability insurance policy, the parties agree that naming of Customer or others as additional insured is intended to apply to claims made against the additional insured to the extent of Starkweather Roofing, Inc.'s negligence and is not intended to make Starkweather Roofing, Inc. liable for claims that are due to the fault of the additional insured or others.

Payment: Upon completion of the work herein described, the Customer agrees to pay SRI the agreed upon price as set forth above. Any amount due to SRI and not paid shall bear interest from the date such payment becomes due until paid at a rate of 2% per month.

If the Agreement requires periodic payments by the Customer and the Customer fails to make a payment when due, SRI, upon 10 days written notice of the delinquency, may accelerate the due dates on the unpaid balance and may declare the entire sum due and payable. If SRI brings any collection action to enforce its rights under this Agreement, Customer agrees to pay all costs of collection, including but not limited to its reasonable attorneys' fees, collection agency fees and any other costs associated with enforcement of this Agreement.

Customer as owner or as an agent of owner is authorized to enter into this contract and authorizes SRI to complete the above-described work for the amount set forth according to the terms herein.

_____ Date:_____

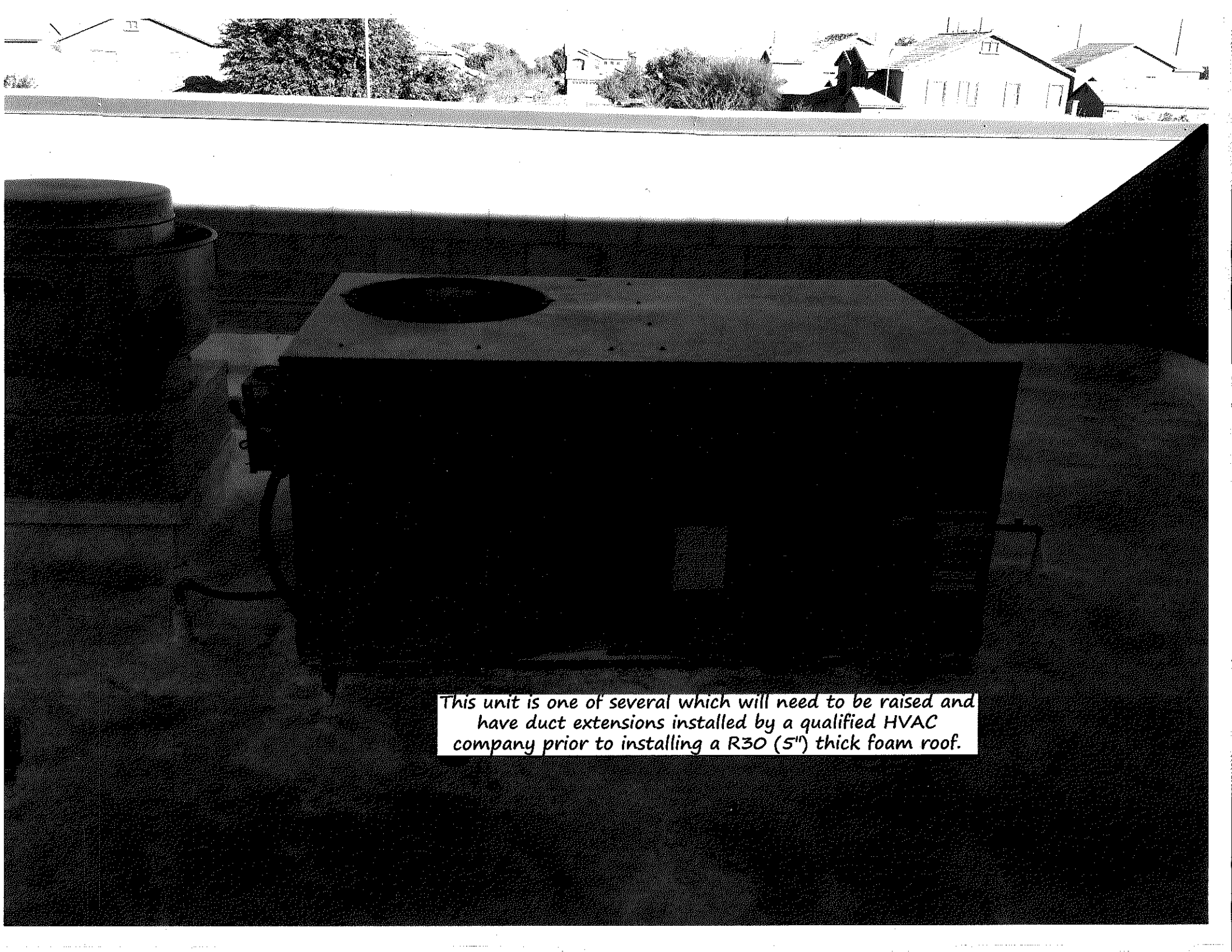
Randy Todd

By:_____

It's:_____

_____ Date:_____

Starkweather Roofing, Inc.



This unit is one of several which will need to be raised and have duct extensions installed by a qualified HVAC company prior to installing a R30 (5") thick foam roof.